

Title (en)

METHOD FOR DETERMINING SPECIFIC LINEAR MODEL AND VIDEO PROCESSING DEVICE

Title (de)

VERFAHREN ZUR BESTIMMUNG EINES SPEZIFISCHEN LINEAREN MODELLS UND VIDEOVERARBEITUNGSVORRICHTUNG

Title (fr)

PROCÉDÉ DE DÉTERMINATION DE MODÈLE LINÉAIRE SPÉCIFIQUE ET DISPOSITIF DE TRAITEMENT VIDÉO

Publication

EP 4262206 A1 20231018 (EN)

Application

EP 23167548 A 20230412

Priority

US 202263331137 P 20220414

Abstract (en)

Embodiments of the disclosure provide a method for determining a specific linear model and a video processing device (900). The method includes: determining (S1010) a plurality of linear model parameters of each of a plurality of linear models; determining (S1020) a chroma template reconstruction (1113) and a luma template (1124), wherein the chroma template reconstruction (1113) and the luma template (1124) are associated with a specific chroma block (1110); determining a chroma template prediction corresponding to each of the plurality of linear models based on the luma template (1124) and the corresponding linear model parameters; determining a template cost of each of the plurality of linear models based on the chroma template reconstruction (1113) and the corresponding chroma template prediction; and selecting the specific linear model from the linear models based on the template cost of each of the plurality of linear models.

IPC 8 full level

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CPC (source: EP US)

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H04N 19/70 (2014.11 - EP)

Citation (search report)

- [XY] WO 2020069667 A1 20200409 - HUAWEI TECH CO LTD [CN]
- [XY] US 2021385440 A1 20211209 - FILIPPOV ALEXEY KONSTANTINOVICH [RU], et al
- [IY] WO 2020035837 A1 20200220 - BEIJING BYTEDANCE NETWORK TECH CO LTD [CN], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

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